

500kg Aluminum Induction Melting Furnace

This induction melting furnace is designed for melting aluminum and aluminum alloys. It offers high melting efficiency, good metal component uniformity, and easy temperature control.



Product Overview

High-Efficiency Aluminum Melting Solution

This 500kg induction melting furnace is engineered specifically for aluminum and aluminum alloy processing. It features advanced constant power output and zero-voltage sweep-frequency starting, ensuring rapid melting cycles and superior energy efficiency. Designed for reliability, the system includes comprehensive protection functions such as overcurrent, overvoltage, and water-break safeguards, making it a robust choice for professional foundry operations.

Technical Specifications

| | |
|-------------------------|------------------|
| Rated Capacity | 0.5 T |
| Rated Power | 250 KW |
| Melting Rate | 0.42 T/H |
| Melting Time | 71 Minutes/batch |
| Electricity Consumption | 610 KWH/T |

Electrical Requirements

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|-------------------------------|---------|
| Power Input Voltage | 380 V |
| MF Output Voltage | 1500 V |
| MF Frequency | 1 KHZ |
| Transformer Capacity Required | 250 KVA |

Operational Parameters

| | |
|---------------------------|------------|
| Operating Temperature | 780 Degree |
| Water Cooling Consumption | 9 T/H |

Key Features

Safety Protection Systems

- Overcurrent protection
- Overvoltage protection
- Current-limiting protection
- Voltage-limiting protection
- Water-break protection
- Default protection

Performance Advantages

1 Zero-voltage sweep

Start Style

100 Output

Constant Power